

Title (en)
SCANNING ENDOSCOPE SYSTEM

Title (de)
ENDOSKOPABTASTSYSTEM

Title (fr)
SYSTÈME D'ENDOSCOPE À BALAYAGE

Publication
EP 2848188 A4 20160302 (EN)

Application
EP 13849728 A 20130906

Priority
• JP 2012233024 A 20121022
• JP 2013074102 W 20130906

Abstract (en)
[origin: US2015038786A1] A scanning endoscope system includes: a fiber that guides illuminating light emitted from a light source; a first actuator provided on a side of the fiber, the first actuator expanding/contracting according to an applied voltage, thereby swinging the fiber; a second actuator disposed at a position facing the first actuator across the fiber, the second actuator expanding/contracting according to an applied voltage, thereby swinging the fiber; and a drive signal output section that applies a first drive signal that varies with reference to a first voltage that brings the first actuator into a contracted state to the first actuator and applies a second drive signal that varies with reference to a second voltage that brings the second actuator into a contracted state to the second actuator.

IPC 8 full level
A61B 1/00 (2006.01); **G02B 23/24** (2006.01); **G02B 23/26** (2006.01); **G02B 26/10** (2006.01)

CPC (source: CN EP US)
A61B 1/00013 (2013.01 - CN US); **A61B 1/00098** (2013.01 - CN US); **A61B 1/00165** (2013.01 - CN US); **A61B 1/00172** (2013.01 - CN EP US); **A61B 1/042** (2013.01 - CN); **A61B 1/0655** (2022.02 - EP); **A61B 1/07** (2013.01 - CN EP US); **G02B 23/2469** (2013.01 - CN EP US); **G02B 23/26** (2013.01 - CN EP US); **G02B 26/103** (2013.01 - CN EP US); **A61B 1/042** (2013.01 - EP US)

Citation (search report)
• [X] JP 2012152244 A 20120816 - HOYA CORP
• [X] EP 1142529 A1 20011010 - OLYMPUS OPTICAL CO [JP]
• [X] US 2009028407 A1 20090129 - SEIBEL ERIC [US], et al
• See references of WO 2014065025A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
US 2015038786 A1 20150205; **US 9629517 B2 20170425**; CN 104363816 A 20150218; CN 104363816 B 20170524;
EP 2848188 A1 20150318; EP 2848188 A4 20160302; EP 2848188 B1 20190130; JP 5639310 B2 20141210; JP WO2014065025 A1 20160908;
WO 2014065025 A1 20140501

DOCDB simple family (application)
US 201414269297 A 20140505; CN 201380031803 A 20130906; EP 13849728 A 20130906; JP 2013074102 W 20130906;
JP 2014517297 A 20130906